| | Approved For Release 2007/03/03 : CJA-RDP78T05929A001200040010-3 | 25 X 1 |
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| | 15 October 1965 | 25 X 1 |
| | Page 1. Copy 7 | |
| | NEW-TYPE INTERFEROMETER SITES USSR | |
| 1. | FIRST REVEALED SIMILAR CONSTRUCTION ACTIVITY | 25X1 |
| • | AT THE TYURATAM AND KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTERS | |
| • | WHICH SUBSEQUENT COVERAGE REVEALED TO BE NEW-TYPE INTERFEROMETERS | |
| | UNDER CONSTRUCTION. THERE WAS NO EVIDENCE OF SUCH CONSTRUCTION | |
| | ACTIVITY AT THE KAPUSTIN YAR/VLADIMIROVKA MTC ON | 25X1 |
| | OR AT THE TYURATAM MTC ON | 25 X 1 |
| 2. | THE INTERFEROMETERS AT THE KAPUSTIN YAR/VLADIMIROVKA MTC AND AT | |
| | THE TYURATAM MTC APPEAR TO BE "L"-SHAPED WITH 2 BASE LEGS, EACH | |
| | APPROXIMATELY 2,000 FT LONG, WHICH INTERSECT AT A RIGHT ANGLE. | |
| | EACH LEG HAS AN ANTENNA PEDESTAL AT THE OUTER END AND A COARSE, | |
| | IN ADDITION TO A FINE ANTENNA MOUNT, NEAR THE POINT OF INTER- | |
| | SECTION, GIVING A TOTAL OF 3 ANTENNA POSITIONS ON EACH LEG. TWO | |
| | OTHER ANTENNA MOUNTS ARE LOCATED OFF-CENTER AT THE INTERSECTION | |
| | POINT. THE CONTROL AREA IS LOCATED APPROXIMATELY 950 FT OFF-CENTER | |
| | OF THE BASE LINE INTERSECTION. WAVEGUIDE RUNS, OR POSSIBLY CABLE | |
| | TRAYS, EXTEND FROM THE CONTROL AREA TO THE BASE LEG TERMINALS AND | |
| | POINT OF INTERSECTION. | |
| · <u>1</u> 1 | THIS MISSION REVEALS A NEW-TYPE INTERFEROMETER SITE AT PLESETSK ICBM | |

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COMPLEX, IMMEDIATELY NORTH OF THE ADMINISTRATION AND HOUSING AREA.

GROCP 1 Excluded from automatic

downgrading and darlassification

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| | 15 October 1965 | 25X1 |
| | Page 2 | |
| | | |
| | THIS IS THE THIRD IDENTIFICATION OF THE NEW-TYPE INTERFEROMETER | |
| | AND THE FIRST OBSERVED AT A DEPLOYED OPERATIONAL ICBM COMPLEX. | |
| | THE INTERFEROMETER, IN THE VERY EARLY STAGES OF CONSTRUCTION, IS | |
| * | LAID OUT IN AN "L"-SHAPE AND, WHEN COMPLETE, WILL HAVE 2 BASE LEGS | |
| | APPROXIMATELY 2,150 FT IN LENGTH, | 25X1 |
| | WHEN COMPLETE THE SYSTEM | 25X1 |
| | WILL INCLUDE AT LEAST 7 ANTENNAS ALONG THE BASE LEGS, 2 ADDITIONAL | |
| | ANTENNAS OFF-SET FROM THE CENTROL ANTENNA, A LARGE CONTROL BUNKER | |
| | CENTRALLY LOCATED APPROXIMATELY 800 FT SOUTH OF THE CENTRAL ANTENNA | |
| | POSITION, AND 2 CABLE CONDUITS EXTENDING OUT FROM THE CONTROL BUNKER | |
| | TO THE TERMINAL ANTENNA POSITIONS. THE SITE WAS NOT PRESENT ON KH | |
| | | 25X1 |
| 5. | A RADIO-FREQUENCY INTERFEROMETER IS A DEVICE USED TO TRACK AN AIR- | |
| • | CRAFT, MISSILE, OR SATELLITE BY PHASE COMPARISON TECHNIQUES - THAT | |
| | IS, BY DETERMINING THE CHANGING ANGLE OF A RADIO SIGNAL FROM THE | |
| | TARGET AS IT PASSES OVERHEAD. | |
| | THERE ARE NUMEROUS VARIATIONS OF INTERFEROMETERS DEPLOYED BOTH | |
| | IN THE U.S. AND U.S.S.R. THE INTERFEROMETERS AT THE TYURATAM MTC, | |
| | KAPUSTIN YAR/VLADIMIROVKA MTC, AND PLESETSK ICBM COMPLEX ARE THE | |
| | | |

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| | • | 15 October | 1965 | 25X1 |
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Approved For Release 2007/03/03: CIA-RDP78T05929A001200040010-3 NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER TOP SECRET **NEW-TYPE INTERFEROMETER SITES USSR** 25**X**1 NTERFEROMETER SITE U INTERFEROMETER SITE INTERFEROMETER SITE U/C TYURATAM , ***
SILE TEST CENTER KAPUSTIN YAR/VLADIMIROVKA PLESETSK ICBM COMPLEX 62-46 40-21E MISSILE TEST CENTER 45-42N 63-18E 💃 CENTRAL ANTENNA POSITION 25X1 CONTROL BUNKER 25X1 CABLE CONDUIT TERMINAL ANTENNA POSITION CABLE CONDUIT CENTRAL ANTENNA CABLE CONDUIT 25X1 RMINAL ANTENNA CONTROL BUNKER

25X1

